

THE MILK BUCKET.

If your dairy has no pedigree, start one at once.

The cow with a ruffled temper will yield poor milk.

All straw and no hay will turn a bright heifer into a dull cow.

A good way to choke a valuable cow is to feed her uncut vegetables.

A dirty strainer reflects as badly on the milker as on her who washes it.

Too much carbonaceous food in the dairy will make fat beef faster than butter fat.

A cow that begins to loose flesh before the winter is gone will be "Spring poor" by the month of May.

Do not let the milk get cold before it is carried from the milking stable to the dairy house to be strained.

Give the animal plenty of room in the stable in which to lie down, if you would make them comfortable.

Sawdust in the manure heap represents so much inert matter; land plaster is an absorbent that is also a fertilizer.

To feed economically, and yet sufficiently, give the cows only what they will eat up clean. Trying to stuff them beyond this limit will result in loss and not gain.

Do not feed the hay down to the bare boards in the mow over the stable; for if you do the ingress of cold air from this source will result in a veritable exposure to your dairy.

Think twice before you go into the business of raising veal calves by letting them suckle their dams. The system will have a demoralizing effect on the dairy, offsetting the temporary gain.

BEES.

CORNSTALKS FOR PROTECTION.

A writer in the *Country Gentleman* once said that after studying the winter problem for some time he concluded that if the hive was surrounded with cornstalks the bees would have sufficient protection and get plenty of air. He placed cornstalks around the hive, tying them at the top, so that when finished it looked as if he had taken one of the shocks of stalks from the field and set it up in his yard. In the spring of 1891 the bees were in splendid condition, but that was a mild winter and he did not consider it a fair test. In the fall of 1891 he fixed them in the same way; the following winter was not so mild. When he took off the stalks in the spring the bees seemed as strong and vigorous as at any time during the summer.

BEE NOTES.

In response to inquiries sent to 5,000 bee keepers, *American Bee Journal* finds that a very large majority of the hives used are of the old box style.

To cure sections that are so dry as to break when put together, Dr. Miller advises in *Gleanings in Bee Culture*: "Leave them in the box and pour boiling water so it will run down through the whole box. Don't have your tea-kettle too full, and pour in a stream about as large as a goose quill, moving slowly along the three lines of joints where they are to be broken. Don't get any water on the dovetails."

Bee paralysis is becoming so common of late that it threatens to be quite a serious affair. From quite a number of sources comes the report that common salt is a specific remedy. Ernest Root says that in the home yard, where the grass was kept down with salt, no cases appeared, while in the out yard, where no salt was used, there were two cases. I have almost always kept the grass down with salt in front of my hives and have never had a case in my apiary.

CHICKEN CHOLERA AND ITS PREVENTION.

Why submit to heavy losses from this disease? Up to April, 1894, this disease had not been on the Experiment Farm to our knowledge. Early in that month a hen became sick and dumpish with dark comb; all food and water refused. It was thought useless to treat this case, but Epsom salts were administered and this was followed with copious watering put in the mouth with a spoon. The hen was placed in a warm, sunny place, isolated from usual runs, and recovered very slowly.

Another hen died in a few days and then another and a cockerel, and several persons who had had experience with cholera pronounced this disease to be cholera. The hen and cockerel died near night, and next morning two other hens were dead and eight more were in different stages of the disease.

Treatment was begun at once. Two hens were killed and buried as those previously dead had been. The six were brought out into the sunlight and given salts and water.

The house and yard were thoroughly disinfected with 1 pint of strong sulphuric acid to 8 gallons of water, as suggested in poultry books. The hens themselves were sprayed with this. Their drinking water was charged with carbolic acid (1 teaspoonful to half gallon water) and asafetida was put in their food at the rate of 1 heaping

tablespoon to the food of 30 chickens. The next morning six hens could not get off the roost, though all but two had gone up as usual the night previous, after their treatment. These were treated as before and put outside the yard. Before night all but four hens were walking about pecking grass. After three days of isolation these four were returned to the yard cured, and all have been in good health since. Six hens and a cockerel were lost before the health of the flock was restored by the treatment as given above.

Had we known the disease at first, it is doubtful if a single bird need to have been lost. Promptness to disinfect and treat the sick birds will save many losses. The doses of salts, not before recommended to my knowledge, doubtless helped rid the birds of the cholera bacilli sooner than if it had not been given, and so hastened the eradication of the disease. The asafetida acts as a diffusible stimulant to help keep the birds warm.

The drinking water was for some days kept charged with carbolic acid, and all that is now needed to secure immunity from another attack is a second thorough disinfection and to continue for some time the addition of carbolic acid to the drinking water.—F. E. Emery, Agriculturist, N. C. Experiment Station.

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